

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/068469 A1

(51) International Patent Classification⁷: **C07D 487/22**,
A61K 31/28, 31/282, 31/4188, A61P 35/00

(74) Agent: **GRIFFITH HACK**; GPO Box 4164, Sydney, New
South Wales 2001 (AU).

(21) International Application Number:
PCT/AU2005/000045

(22) International Filing Date: 14 January 2005 (14.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004900173 15 January 2004 (15.01.2004) AU

(71) Applicant (for all designated States except US):
UNISEARCH LIMITED [AU/AU]; Rupert Myers
Building, Gate 14, Barker Street, UNSW, Sydney, New
South Wales 2052 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WHEATE**, Nial
Joseph [AU/AU]; 33 Magenta Square, Amaroo, Aus-
tralian Capital Territory 2914 (AU). **DAY**, Anthony Ivan
[AU/AU]; "Imcah" Harold's Cross Road, Captains Flat,
New South Wales 2623 (AU). **BLANCH**, Rodney John
[AU/AU]; 5 Cassidy Close, Holt, Australian Capital
Territory 2615 (AU). **COLLINS**, John Grant [AU/AU];
130 Carnegie Street, Griffith, Australian Capital Territory
2603 (AU).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MULTI-NUCLEAR METAL COMPLEXES PARTIALLY ENCAPSULATED BY CUCURBIT[7-12]URILS

(57) **Abstract:** The invention provides multi-nuclear metal complexes partially encapsulated by one or more cucurbit[7 to 12]urils or analogues thereof. The invention further relates to methods for treating cancer by administering a multi-nuclear metal complex having anti-tumour activity partially encapsulated by one or more cucurbit[7 to 12]urils or analogues thereof.



WO 2005/068469 A1